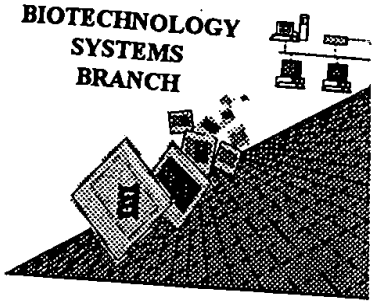
T. Lan

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/214,371A

Art Unit / Team No. : 1635

Date Processed by STIC: 3/10/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

T. Larson

1635

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

R 4,5,12

<110> APPLICANT: Lane, David
Bottger, Volker
Bottger, Angelica
Picksley, Stephen
Chene, Patrick
Hochkeppel, Heinz-Kurt
Garcia-Echeverria, Carlos
Furet, Pascal

Does Not Comply
Corrected Diskette Needed

<120> TITLE OF INVENTION: Inhibitors of the Interaction of P53 and MDM2
<130> FILE REFERENCE: 4-20937/A/PCT
<140> CURRENT APPLICATION NUMBER: US/09/214,371A
<141> CURRENT FILING DATE: 1999-03-26
<150> EARLIER APPLICATION NUMBER: PCT/EP97/03549
<151> EARLIER FILING DATE: 1997-07-04
<160> NUMBER OF SEQ ID NOS: 83
<170> SOFTWARE: PatentIn Ver. 2.0
<210> SEQ ID NO 1
<211> LENGTH: 19
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<400> SEQUENCE: 1
Pro Leu Ser Gln Gln Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu
1 5 10 15
Asn Asn Val
<210> SEQ ID NO 2
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<220> FEATURE:
<223> OTHER INFORMATION: Where Xaa may be any amino acid
<400> SEQUENCE: 2
W--> OK **Phe Xaa Xaa Leu Trp**
1 5
<210> SEQ ID NO 3
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<220> FEATURE:

RECEIVED
MAR 27 2000
TC 1600 MAIL ROOM

<223> OTHER INFORMATION: Xaa represents any amino acid and proline, phenylalanine, aspartic acid, tyrosine , tryptophan and leucine are L-amino acids
<220> FEATURE:
<400> SEQUENCE: 3
W-OK **Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu**
1 5 10
<210> SEQ ID NO 4
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
what about Xaa's at locations 4 and 10?
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (1)..)
<223> OTHER INFORMATION: x=proline, leucine, glutamic acid, cysteine or glutamine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (5)
<223> OTHER INFORMATION: x = arginine, histidine, glutamic acid, cysteine, serine or preferably aspartic acid.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (6)
<223> OTHER INFORMATION: x = histidine, phenylalanine, or preferably tyrosine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (1)
<223> OTHER INFORMATION: x=proline, leucine, glutamic acid, cysteine or glutamine
<220> FEATURE:
<223> OTHER INFORMATION: Xaa at position 2, 5, 8 and 9 is any amino acid
<400> SEQUENCE: 4
W--> **Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa**
1 5 10
<210> SEQ ID NO 5
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (1)
<223> OTHER INFORMATION: x = proline, leucine, glutamic acid, cysteine or glutamine
<220> FEATURE:

<221> NAME/KEY: VARIANT
<222> LOCATION: (2)
<223> OTHER INFORMATION: x = arginine, asparagine, alanine, threonine or valine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (4)
<223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine, alanine or serine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (5)
<223> OTHER INFORMATION: X= arginine, histidine, glutamic acid, cysteine, serine or preferably aspartic acid.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (6)
<223> OTHER INFORMATION: X = histidine, phenylalanine or preferably tyrosine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (8)
<223> OTHER INFORMATION: X = glutamic acid, threonine, alanine, phenylalanine or serine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (9)
<223> OTHER INFORMATION: X= glycine, glutamine, threonine, alanine or aspartic acid
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (10)
<223> OTHER INFORMATION: Xaa = phenylalanine, glutamine or preferably leucine
<400> SEQUENCE: 5

W--> OK

Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
1 5 10

<210> SEQ ID NO 6
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<400> SEQUENCE: 6
Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn
1 5 10

<210> SEQ ID NO 7
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence

```
145   <220> FEATURE:
146   <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
147   <400> SEQUENCE: 7
148         Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro
149           1               5                  10
150   <210> SEQ ID NO 8
151   <211> LENGTH: 15
152   <212> TYPE: PRT
153   <213> ORGANISM: Artificial Sequence
154   <220> FEATURE:
155   <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
156   <400> SEQUENCE: 8
157         Pro Arg Pro Ala Leu Val Phe Ala Asp Tyr Trp Glu Thr Leu Tyr
158           1               5                  10                  15
159   <210> SEQ ID NO 9
160   <211> LENGTH: 28
161   <212> TYPE: PRT
162   <213> ORGANISM: Artificial Sequence
163   <220> FEATURE:
164   <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
165   <400> SEQUENCE: 9
166         Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn Arg Gln Ile Lys
167           1               5                  10                  15
168         Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
169                       20                  25
170   <210> SEQ ID NO 10
171   <211> LENGTH: 8
172   <212> TYPE: PRT
173   <213> ORGANISM: Artificial Sequence
174   <220> FEATURE:
175   <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
176   <220> FEATURE:
177   <221> NAME/KEY: VARIANT
178   <222> LOCATION: (2)
179   <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
180         alanine or serine, preferably methionine
181   <220> FEATURE:
182   <221> NAME/KEY: VARIANT
183   <222> LOCATION: (3)
184   <223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine,
185         serine, or preferably aspartic acid.
186   <220> FEATURE:
187   <221> NAME/KEY: VARIANT
188   <222> LOCATION: (4)
189   <223> OTHER INFORMATION: X = histidine, phenylalanine, or preferably
190         tyrosine
191   <220> FEATURE:
192   <221> NAME/KEY: VARIANT
193   <222> LOCATION: (6)
      <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

FYI

phenylalanine or serine, preferably glutamic acid
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (7)
<223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or aspartic acid, preferably glycine.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (8)
<223> OTHER INFORMATION: X = phenylalanine, glutamine or preferably leucine.
<400> SEQUENCE: 10
W--GIC **Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa**
1 5
<210> SEQ ID NO 11
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:peptide
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (1)
<223> OTHER INFORMATION: X = arginine, asparagine, alanine, threonine or valine, particularly arginine.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (3)
<223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine, alanine or serine, preferably methionine
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (4)
<223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine, serine or preferably aspartic acid.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (5)
<223> OTHER INFORMATION: Xaa = histidine, phenylalanine or preferably tyrosine.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (7)
<223> OTHER INFORMATION: X = glutamic acid, threonine, alanine, phenylalanine or serine, preferably glutamic acid.
<220> FEATURE:
<221> NAME/KEY: VARIANT
<222> LOCATION: (8)
<223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or aspartic acid preferably glycine.

Please Note:
Please ensure that all subsequent artificial/unknown sequences have a suitable explanation in the <220> - <223> section.

FYI

VERIFICATION SUMMARY
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

Line	?	Error/Warning	Original Text
36	W	"N" or "Xaa" used: Feature required	Phe Xaa Xaa Leu Trp
50	W	"N" or "Xaa" used: Feature required	Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu
81	W	"N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
130	W	"N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
207	W	"N" or "Xaa" used: Feature required	Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
251	W	"N" or "Xaa" used: Feature required	Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
322	W	"N" or "Xaa" used: Feature required	Xaa Gly Pro Ala Phe Thr His Tyr Trp Ala T
339	W	"N" or "Xaa" used: Feature required	Xaa Pro Arg Phe Met Asp Tyr Trp Glu Gly L
356	W	"N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Tyr Trp Lys Leu L
373	W	"N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
390	W	"N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
407	W	"N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
424	W	"N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Leu Trp Lys Leu L
441	W	"N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Lys Leu L
458	W	"N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Tyr Trp Lys Leu L
475	W	"N" or "Xaa" used: Feature required	Xaa Gln Asn Phe Ile Asp Tyr Trp Thr Gln G
492	W	"N" or "Xaa" used: Feature required	Xaa Asp Arg Ala Pro Thr Phe Arg Asp His T
509	W	"N" or "Xaa" used: Feature required	Xaa Arg Pro Ala Leu Val Phe Ala Asp Tyr T
526	W	"N" or "Xaa" used: Feature required	Xaa Ala Phe Ser Arg Phe Trp Ser Asp Leu S
539	W	"N" or "Xaa" used: Feature required	Thr Gly Pro Ala Phe Thr His Tyr Trp Ala T
552	W	"N" or "Xaa" used: Feature required	Met Pro Arg Phe Met Asp Tyr Trp Glu Gly L
569	W	"N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
586	W	"N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
603	W	"N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
620	W	"N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
637	W	"N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
654	W	"N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
671	W	"N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp L
688	W	"N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Pro Thr Phe Ser Asp L
705	W	"N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp T
722	W	"N" or "Xaa" used: Feature required	Xaa Met Pro Arg Phe Met Asp Tyr Trp Glu G
724	W	"N" or "Xaa" used: Feature required	Lys Ile Trp Phe Gln Asn Arg Arg Met Lys T
758	W	"N" or "Xaa" used: Feature required	Xaa Ala Val Ala Leu Leu Pro Ala Val Leu L
760	W	"N" or "Xaa" used: Feature required	Ala Met Pro Arg Phe Met Asp Tyr Trp Glu G
786	W	"N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
803	W	"N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
820	W	"N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
837	W	"N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
854	W	"N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
871	W	"N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
888	W	"N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
913	W	"N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
938	W	"N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Gly Xaa
963	W	"N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Xaa Gly Xaa
988	W	"N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Glu Xaa Xaa
1017	W	"N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Xaa Xaa
1042	W	"N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Gln Xaa Xaa
1059	W	"N" or "Xaa" used: Feature required	Xaa Phe Met Asp Tyr Trp Glu Gly Xaa
1076	W	"N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Glu Gly Xaa
1097	W	"N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Glu Gly Xaa

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/214,371A**

DATE: 03/10/2000
TIME: 16:17:04

Input Set: **I214371A.RAW**

Line	?	Error/Warning	Original Text
1118	W	"N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Xaa Gly Xaa
1215	W	"N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln G